

Sodium Batteries with Electrolytes Based on Nafion Membranes Intercalated by Mixtures of Organic Solvents

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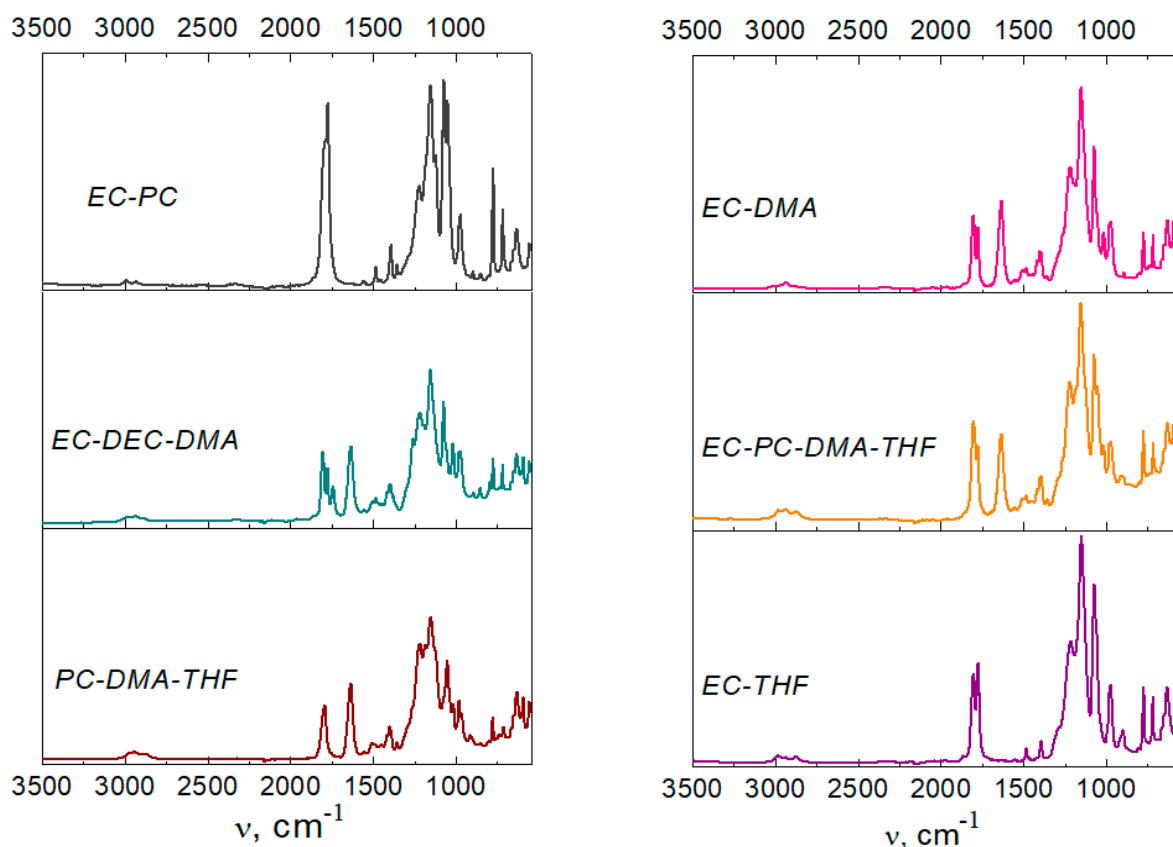


Figure S1. IR spectra of the obtained electrolytes.

The XRD pattern of the obtained $\text{Na}_3\text{V}_{1.9}\text{Fe}_{0.1}(\text{PO}_4)_3/\text{C}$ sample showing a single rhombohedral NASICON (Na Super Ionic CONductor) phase (compared with card no. 53-0018 ICDD PDF2), which is well-indexed in the $R\text{-}3c$ space group according to References [34–35] (Figure S2). The unit cell parameters are the following: $a = 8.741(2) \text{ \AA}$ and $c = 21.7920(3) \text{ \AA}$.

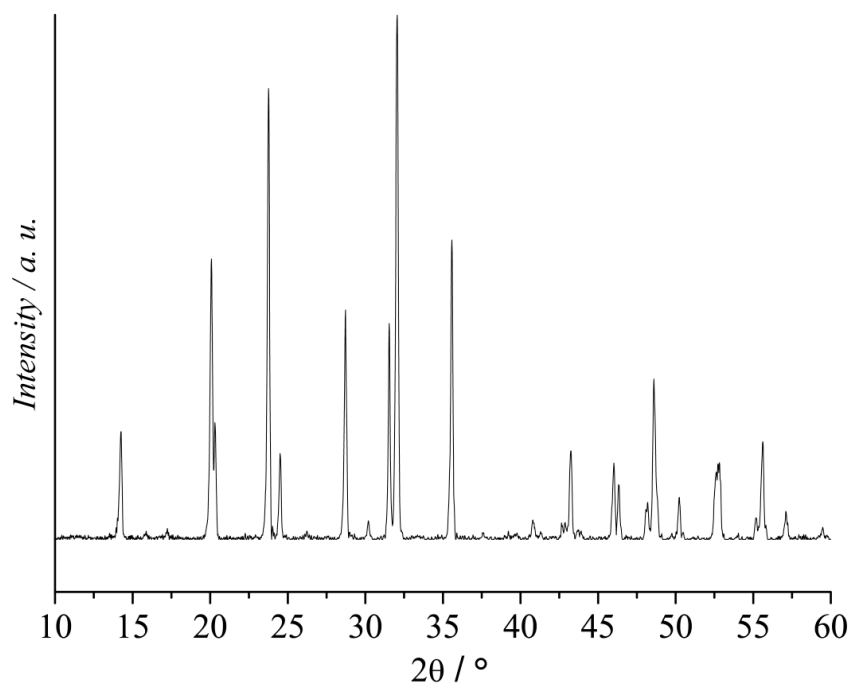


Figure S2. The XRD patterns of $\text{Na}_3\text{V}_{1.9}\text{Fe}_{0.1}(\text{PO}_4)_3/\text{C}$.

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35. Novikova, S.A.; Larkovich, R.V.; Chekannikov, A.A.; Kulova, T.L.; Skundin, A.M.; Yaroslavtsev, A.B. Electrical conductivity and electrochemical characteristics of $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ -based NASICON-type materials. *Inorg. Mater.* **2018**, *54*, 794-804.